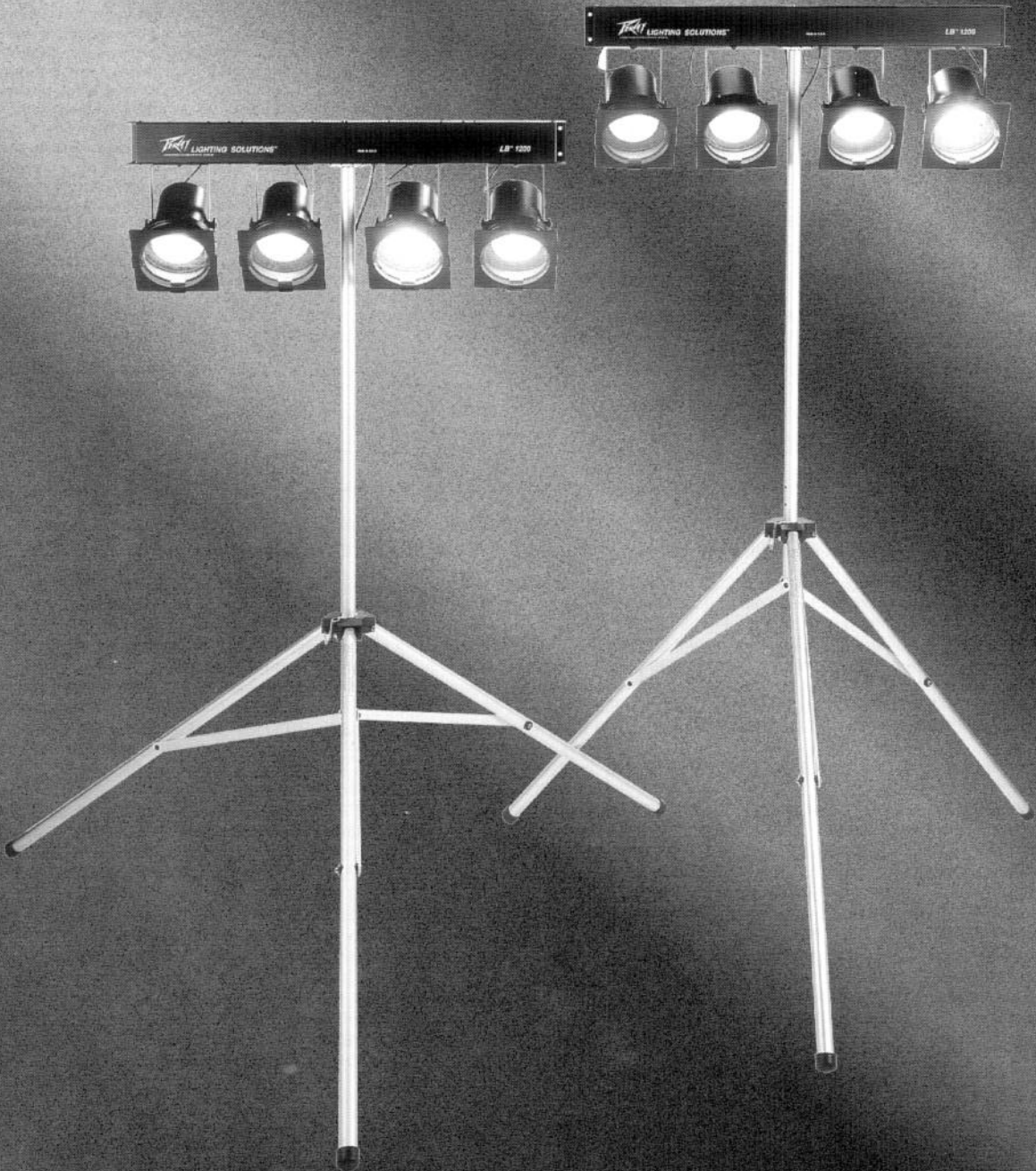


# LB™ 1200

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Intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**CAUTION** Risk of electrical shock — DO NOT OPEN!

**CAUTION** To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

**WARNING** To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.

# Contents

1.0	INTRODUCTION .....	3
2.0	FEATURES .....	3
3.0	BACK PANEL .....	4
4.0	BASIC CONNECTIONS .....	5
5.0	BASIC OPERATION .....	7
6.0	MIDI .....	7
6.1	Continuous Controller .....	7
6.2	Note On .....	7
7.0	MIDI IMPLEMENTATION .....	8
8.0	TROUBLESHOOTING GUIDE .....	9
9.0	SPECIFICATIONS .....	9

## **1.0 INTRODUCTION**

Thank you for purchasing the Peavey Lighting Solutions™ LB™ 1200. The LB 1200 lighting system provides 1200 watts of light through four lamps (300 watts each) in four, multi-position, lighting fixtures.

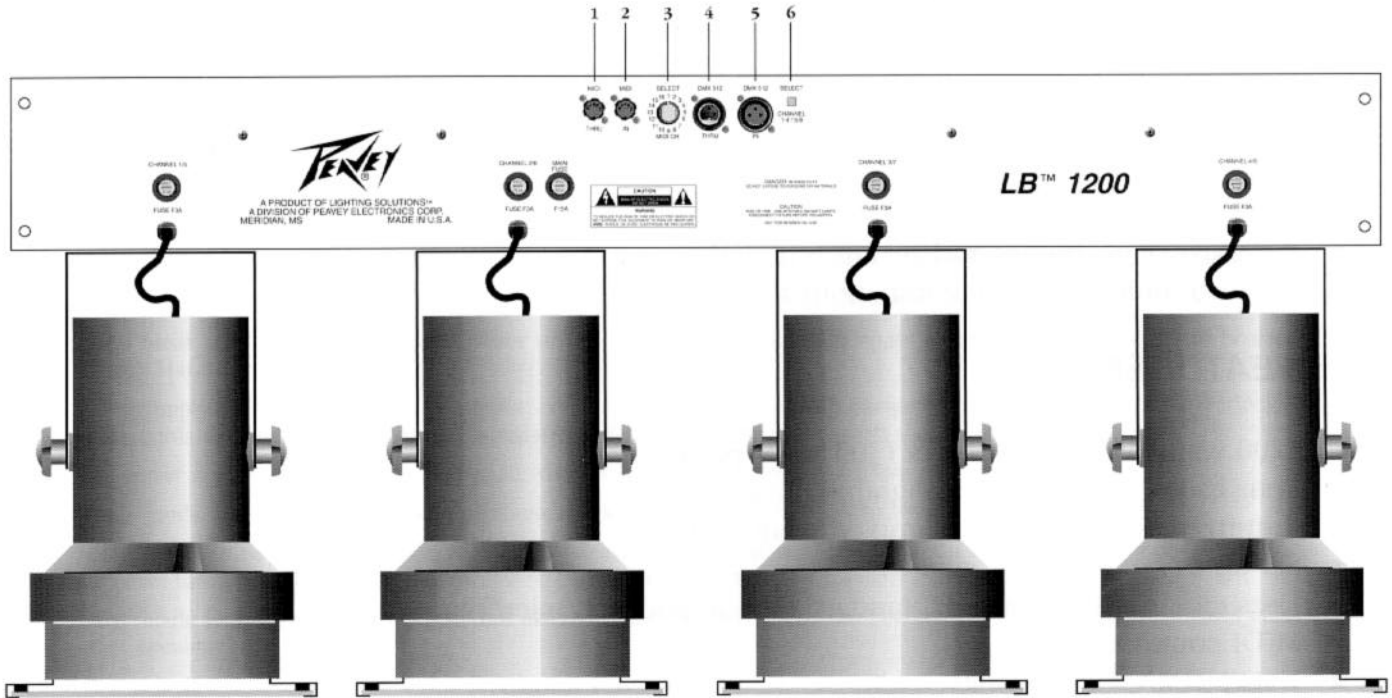
The LB 1200 responds to both MIDI and DMX512 data, eliminating the need to carry special cables. All you need are MIDI cables or standard, low-impedance microphone cables, and your lighting system is ready to go.

Through the use of gel frames and gel kits (colored, transparent film), you can let your imagination take over and create unique color combinations for any lamp.

## **2.0 FEATURES**

- 1200 watts of lighting power (300 watts per channel)
- Four round, multi-position lighting fixtures
- Run from any standard 10 amp AC wall outlet
- Set up in under 60 seconds
- Uses either MIDI cables or standard, low-impedance microphone cables
- MIDI controllable
- USITT DMX512 capability

### 3.0 BACK PANEL



#### 1. MIDI Thru

This is a standard 5-pin DIN jack used for through transmission of MIDI data.

#### 2. MIDI In

This is a standard 5-pin DIN jack used for receiving MIDI data from a sending unit such as the Peavey Lighting Solutions PV-Lite™ System 3008.

#### 3. MIDI Channel Selector

This rotary switch selects the channel that the LB 1200 will respond to MIDI data on.

#### 4. DMX512 Thru

This is a standard 3-pin XLR jack used for through transmission of DMX512 data.

#### 5. DMX512 In

This is a standard 3-pin XLR jack used for receiving DMX512 data from a sending unit such as the Peavey Lighting Solutions PV-Lite Desk 4008.

#### 6. Select Channel Switch

Selects which channels the LB 1200 will respond to.

In: Responds to channels 1-4.

Out: Responds to channels 5-8.

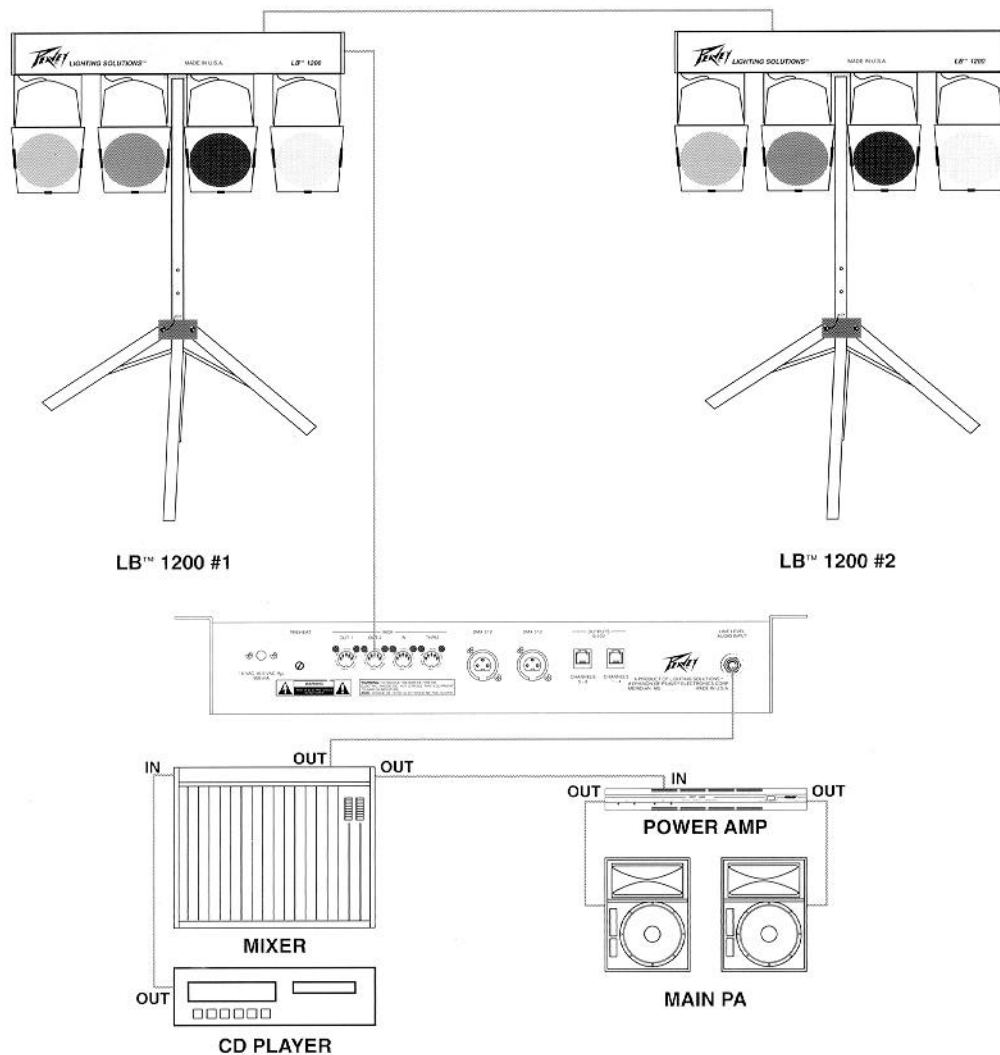
## 4.0 BASIC CONNECTIONS

### 1. Daisy-chaining two LB 1200s

This setup has the following components: Two LB 1200 light bars, PV-Lite Desk 4008 controller, mixer, CD player, power amplifier, and speakers. Connect the light bars as follows:

- Use a standard MIDI cable to connect the **MIDI Out** (1 or 2) jack on the controller to the **MIDI In** jack on LB 1200 #1.
- Use a second MIDI cable to connect the **MIDI Thru** jack on LB 1200 #1 to the **MIDI In** jack on LB 1200 #2. This is a common way to connect two LB 1200s when the controller is much closer to one than the other.

**Note:** To daisy chain two LB 1200s using the DMX512 protocol, use standard low-impedance microphone cables instead of MIDI cables. Connect these to the DMX512 jacks.

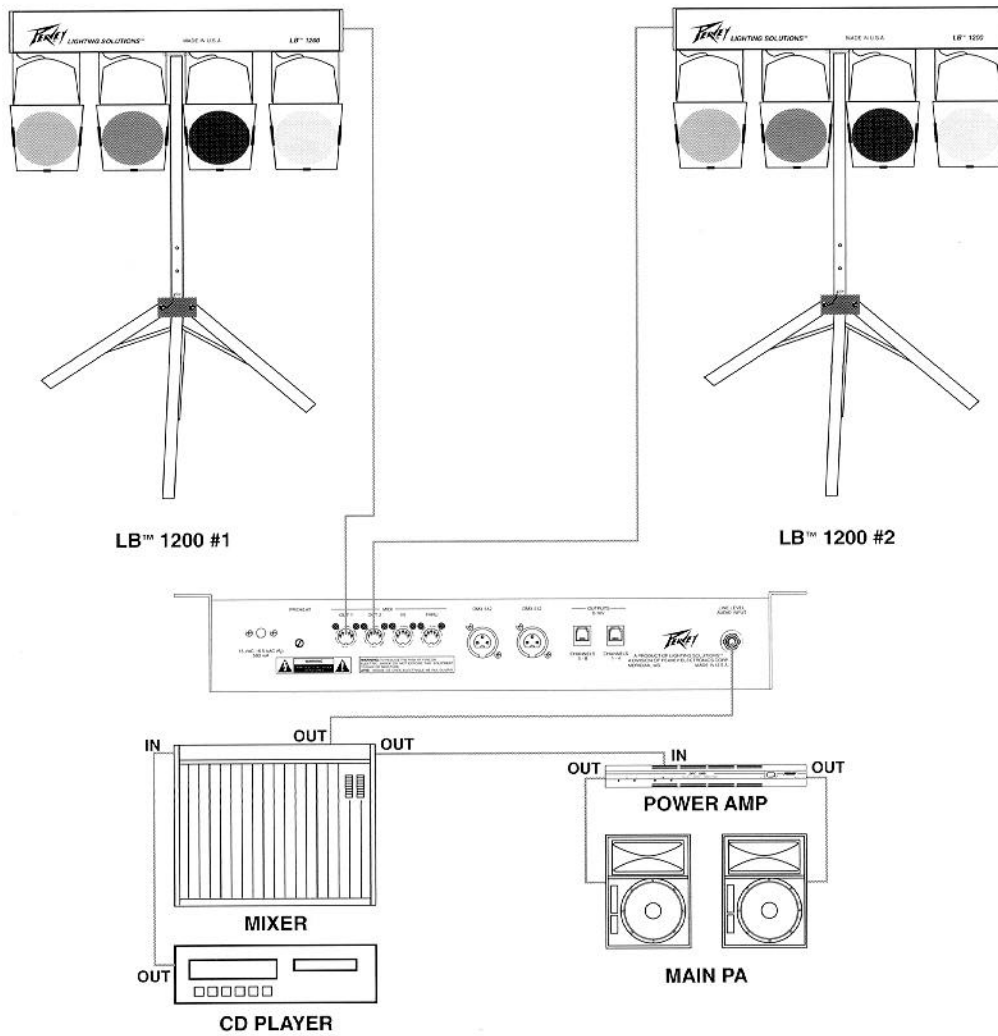


## 2. Connecting each LB 1200 to the controller

This setup has the following components: Two LB 1200 light bars, PV-Lite Desk 4008 controller, mixer, CD player, power amplifier, and speakers. Connect the light bars as follows:

- Use a standard MIDI cable to connect the **MIDI Out 1** jack on the controller to the **MIDI In** jack on LB 1200 #1.
- Use a second MIDI cable to connect the **MIDI Out 2** jack on the controller to the **MIDI In** jack on LB 1200 #2. This is a common way to connect two LB 1200s when the controller is centered between the LB 1200s.

**Note:** To connect each LB 1200 to the controller using the DMX512 protocol, use standard low-impedance microphone cables instead of MIDI cables. Connect these to the DMX512 jacks.



## 5.0 BASIC OPERATION

Once all the proper connections are made, operation of the unit is automatic. The LB 1200 will automatically respond to any valid data from either the MIDI or DMX512 data protocols.

**Note:** The LB 1200 does not translate from one protocol to the other. In other words, if you send data to an LB 1200 via MIDI and want to daisy-chain another LB 1200, you must use MIDI as the communication protocol.

## 6.0 MIDI

The following is a brief description of the MIDI commands that the LB 1200 will respond to.

### 6.1 Continuous Controller

A valid continuous controller message is the equivalent of moving a channel slider on a lighting controller such as the Peavey Lighting Solutions PV-Lite 3008. The LB 1200 recognizes continuous controllers 1-8 as valid controllers.

### 6.2 Note On

Below is a list of the valid notes and their functions:

Note	MIDI Note	Function
C3	48	Ch-1 Latching
D3	50	Ch-2 Latching
E3	52	Ch-3 Latching
F3	53	Ch-4 Latching
G3	55	Ch-5 Latching
A3	57	Ch-6 Latching
B3	59	Ch-7 Latching
C4	60	Ch-8 Latching
C5	72	Ch-1 Momentary
D5	74	Ch-2 Momentary
E5	76	Ch-3 Momentary
F5	77	Ch-4 Momentary
G5	79	Ch-5 Momentary
A5	81	Ch-6 Momentary
B5	83	Ch-7 Momentary
C6	84	Ch-8 Momentary

The latching notes will set the channel level to the note velocity and leave it there even after you release the note.

The momentary notes will set the channel level to the note velocity but turn the channel off when the note is released. Setting up the note response in this fashion allows you to have both flashing and locking control of the channels at your fingertips.

## 7.0 MIDI IMPLEMENTATION

### MIDI Implementation

Date: 6/94  
Version: 1.0

Model: LB 1200

Function		Transmitted	Recognized	Remarks
Basic Channel Default Channel			1-16 Switch Set	
Mode	Default Messages Altered		3	Omni Off, Poly
Note Number	True Voice	X	O	Refer to MIDI Section
Velocity	Note On Note Off	X X	X X	
After- touch	Key's Ch's	X X	X X	
Pitch Bender		X	X	
Control Change		X	1-8 1 Channel-1 " " 8 Channel-8	
Program Change	True#	X	X	
System Exclusive		X	X	
System Common	: Songs Pos : Song Sel : Tune	X X X	X X X	
System Real Time	: Clock : Commands	X X	X X	
Auxiliary Messages	: Local On/Off : All Notes Off : Active Sense : Reset	X X X X	X X X X	
<b>Notes:</b>				

Mode 1 : OMNI ON, POLY    Mode 2 : OMNI ON, MONO  
Mode 3 : OMNI OFF, POLY    Mode 4 : OMNI OFF, MONO

O : Yes  
X : No



## 8.0 TROUBLESHOOTING GUIDE

**Note:** This is for problems that can be solved easily on-site. If more serious problems develop, you should take your unit to a local authorized Peavey dealer or service center for attention.

### Problem

### Solution

*No lamps light up*

- ⚡ Check that the unit is plugged in.
- ⚡ Check if the wall socket is “live.” If no power is present, check the circuit breaker.
- ⚡ Check the main fuse (F15A for 120 VAC units, F8A for 220/240 VAC units).
- ⚡ Check MIDI channel if using MIDI.
- ⚡ Check all cable connections.
- ⚡ Check controller.

*One lamp does not work*

- ⚡ Check for bad lamp by swapping a working lamp for the nonworking lamp.
- ⚡ Check individual channel fuse (F3A for 120 VAC units, F2A for 220/240 VAC units).

*Unit “locks up”—refuses to answer controls*

- ⚡ It is possible for local interference to cause board computer to become confused. Unplug the unit and then reapply power to reset it. If this happens again, plug the unit in elsewhere to change the electrical circuit that it is drawing its power from.

## 9.0 SPECIFICATIONS

### Maximum Power Loading Per Channel

300 watts

### Power Requirements

120 VAC, 60 Hz, 10 amps (220/240 VAC units available)

### Lamp Type

R40; manufacturer’s rated life 2000 hours; 300 watts

## IMPORTANT SAFETY INSTRUCTIONS

**WARNING** When using electric products, basic cautions should always be followed, including the following.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e., a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding, write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag, or an ammonia-based household cleaner if necessary. Disconnect unit from power supply before cleaning.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if
  - a. The power supply cord or plug has been damaged.
  - b. Anything has fallen or been spilled into the unit.
  - c. The unit does not operate correctly.
  - d. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.
17. This product should be used only with a cart or stand that is recommended by Peavey Electronics.
18. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time.

The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures.

Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss.

Ear plugs or protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

**SAVE THESE INSTRUCTIONS**

**THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY.**

**Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tout les autres pays, les clauses de garantie et de maintenance sont fixees par le distributeur national et assuree par lui selon la legislation en vigueur.**

**Diese Garantie ist nur in den USA and Kanada gultig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen. Esta garantia es valida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, estan sujetos a las garantias y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes paises.**

**PEAVEY ONE-YEAR LIMITED WARRANTY/REMEDY**

PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth:

**PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS**

If this product contains tubes or meters, Peavey warrants the tubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase; PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions, and limitations hereinafter set forth.

**CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTIES**

These limited warranties shall be void and of no effect, if:

- a. The first purchase of the product is for the purpose of resale; or
- b. The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- c. The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship; or
- d. The serial number affixed to the product is altered, defaced, or removed.

In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will:

- a. In the case of tubes or meters, replace the defective component without charge.
- b. In other covered cases (i.e., cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option; and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser.

THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.

In order to obtain service under these warranties, you must:

- a. Bring the defective item to any PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product. If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER which can provide such service.

**OR**

- b. Ship the defective item, prepaid, to:

PEAVEY ELECTRONICS CORPORATION  
International Service Center  
Highway 80 East  
MERIDIAN, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address. Upon Peavey's receipt of these items:

If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser.

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of \$500.00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. Such purchase price will be that in effect for the specific product when the cause of action arose. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsibility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment.

UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

THESE LIMITED WARRANTIES ARE THE ONLY EXPRESSED WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

In the event of any modification or disclaimer of expressed or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America.

**INSTRUCTIONS — WARRANTY REGISTRATION CARD**

1. Mail the completed WARRANTY REGISTRATION CARD to:

PEAVEY ELECTRONICS CORPORATION  
POST OFFICE BOX 2898  
MERIDIAN, MISSISSIPPI 39302-2898

- a. Keep the PROOF OF PURCHASE. In the event warranty service is required during the warranty period, you will need this document. **There will be no identification card issued by Peavey Electronics Corporation.**
2. IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESSES:
  - a. Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
  - b. Notice of address changes — If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.
3. You may contact Peavey directly by telephoning (601) 483-5365.



Features and specifications subject to change without notice.

**Peavey Electronics Corporation** / 711 A Street / Meridian, MS 39302-2898 / U.S.A. / (601) 483-5365 Telex: 504115 / FAX: 486-1278

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